AMENDMENTS TO THE SPECIFICATION

Please amend the Specification as directed and shown below.

Please delete the present Title and replace same with the following:
PACKAGING SYSTEM AND METHOD THEREFOR

Please amend the following paragraphs of the Specification as shown.

[0010] Preferably, the ~~characterisation~~ characterization is either learnt by the system or extracted from a database containing rules.

[0011] Preferably, when ~~characterisation~~ characterization is based upon rules, fuzzy logic is used to quantify the abnormal operation of the mechanical element.

[0013] According to a second aspect of the present invention, there is provided a diagnostic apparatus for identifying abnormal operation of a packaging machine, the apparatus comprising: a processing unit arranged to receive a sampled signal issued, when in use, to a servo-motor, the signal corresponding to torque values of the servo-motor; wherein the processing unit is coupled to a storage device for storing a ~~characterisation~~ characterization of a mechanical element coupled to the servo-motor, the ~~characterisation~~ characterization comprising at least one predetermined value corresponding to a plurality of the torque values of the servo-motor in a condition of normal operation; and the processing unit is arranged to determine, when in use, abnormal operation of the mechanical element using the sampled signal and the ~~characterisation~~ characterization of the mechanical element.

[0074] Alternatively, instead of applying fuzzy logic, the amplitudes for each frequency stored in the second database 516 can be compared with empirically derived ~~characterisations~~ characterizations of the parameters being monitored, the empirically derived ~~characteristics~~ characterizations being stored in the third database 518. The empirically derived ~~characterisations~~ characterizations can be stored as ranges of acceptable values. As a further alternative, the ~~characterisations~~ characterizations can be learnt.

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